

Two routers connected to one switch



Overview

You are talking about 2 physically separate routers connecting to PoE switch. Lets say you create vlan 100 and 200, then add port,lets say 10 to vlan 100 and port 20 to vlan 200. Now as far as I know a switch does not do network translation and this won't work with one IP address. So I bought two addresses at my ISP. I tried combining them. This article will guide you through the process of using a network switch with two routers, providing a clear understanding of the setup, configuration, and testing phases. By the end of this guide, you'll be equipped with the knowledge and confidence to optimize your network infrastructure. Well, it depends of the switch model, some devices you need to indicate first the dot1q protocol so you need to follow this sequence Other switch models like 3850 have the dot1q implicity so you dont need the switchport trunk encapsulation dot1q If Im not wrong, the model 878 is a router, if it has. Is it possible to connect Router A and Router B to the same switch, while having Router B be connected to a different subnet?

Excuse my ignorance, but my motivation for setting it up this way is to make it so that when the computer labeled Computer on 172.



Article Content

Nov 21, 2025

How to Connect Two Routers Together (Wired and Wireless Methods)

Learn how to connect two routers together using LAN-to-LAN, LAN-to-WAN, or wireless bridge methods. Step-by-step guide with IP conflict prevention.

Oct 30, 2025

How can I connect two routers to the same switch

The switch is preventing computer and camera from interacting

Jan 16, 2026

How To Use A Network Switch With 2 Routers

Learn how to connect two routers and a network switch to expand your home or office network. Follow the steps to set up the switch, connect the routers, and configure the routers for

Jul 08, 2025

Can I setup a second router through a switch that is connected

Putting a second router in bridge mode when it's already connected to Ethernet is useless. The only functionality at that point would be like acting like a switch and it provides extra ports.

Mar 09, 2026

Multiple connections between router and switched network

Hello, For a school assignment I'm working on a network with a router connected to an ISP on one end, and to a switched network on the other end. I

Nov 18, 2025

Can I connect two routers to one switch?

I want to connect two routers to a switch which will then be connected to a modem. Now as far as I know a switch does not do network translation and this won't work

Mar 07, 2026

Windows was throttling my internet until I found these 5 settings

This is usually not a problem, but if only one or two apps start behaving like data hogs, your connection can feel sluggish. The best way to avoid this is to identify which apps are using the

Jan 01, 2026

Can I connect two routers to one switch?

You can connect two routers to a switch provided you are leasing 2 public static IP

Sep 06, 2025

Solved: Two routers to one switch

One has routing to my wan internet, and when i connect a laptop i have active internet connection. The problem is, that when i connect a laptop to

Apr 08, 2026

2 Routers connected to a switch in a single network

2 Routers connected to a switch in a single network This thread has been locked for further replies. You can start a new thread to share your ideas or

Jan 10, 2026

connecting two routers to the same switch

Hi i have two routers connected to the same switch(layer2 or layer3) and i have run on both routers ospf protocols, but both the routers are unable to form adjacencies. here are my

Feb 24, 2026

Is chaining two switches different than connecting both

There is a switch on each floor, the router is downstairs, and a cat5e cable running between floors. All computers should be on the same subnet. Is

Apr 03, 2026

Understanding Routers, Switches, and Network Hardware

Let's introduce a router and highlight the benefits of using one. In the diagram below we've introduced two elements to the network: a wireless router

Oct 09, 2025

Using two routers with a switch | SNBForums

One router WAN must be connected directly to the ISP router. Then LAN on that router goes to switch. For second router, if you don't want double nat, as has been suggested, just put it in

Nov 29, 2025

How to Configure Your PC to a Local Area Network: Full

Determine the number of computers you want to connect. The number of computers you're connecting will determine the type of network

Mar 13, 2026

Connect two routers to a switch to create one network

Hello, i've been reading a lot about this so far inconclusive, perhaps you could finally help me: I need to connect two routers to a switch and have all

Jun 23, 2026

Can two switches connect to one router?

Can Two Switches Connect to One Router? In today's networking landscape, understanding how devices communicate with each other is crucial. One common scenario is

Apr 03, 2026

How To Use A Network Switch With 2 Routers

Learn how to effectively use a network switch with 2 routers to expand your network and optimize connectivity. Discover the best practices for

Oct 14, 2025

Two routers into one switch | NETGEAR Communities

Essentially connecting two routers into one switch. I have a GS752TPP in a secondary cabinet fed from the first cabinet. There are two incoming connections into the cabinet giving DHCP.

Apr 16, 2026

can i have two broadband routers plugged in to a switch?

I would like both broadband routers connected to the switch and the computers connect via the switch to the internet. If one broadband goes down,

Dec 26, 2025

Solved: Two routers to one switch

Hy. Attached i have my topology. The ports are not active, because i'm working on real life components. I have 2x cisco 878 routers and a 2950

Aug 22, 2025

2 Routers connected to a switch in a single network

At home I have the following setup - a tp-link switch modem connected to the internet and 2 routers (both AX53 3000), connected to that

Jun 30, 2025

Two router to one switch

Dear Cisco Community, hope this message finds you well. I have one network scenario in my lab, Router 1: 10.100.30.5/24, Router 2: 10.30.60.1/24

Dec 23, 2025

Two Routers on One Switch

Can I have two different routers (different subnets) on one cisco 3500XL switch and still be able to communicate between the two? If so how can I do it? Thanks

Contact Us

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